

FEOL/MEOL METAL RESISTOR FOR HIGH END CMOS

Abstract

A FEOL/MEOL metal resistor that has tight sheet resistance tolerance (on the order of about 5% or less), high current density (on the order of about 0.5 mA/micron or greater), lower parasitics than diffused resistors and lower TCR than standard BEOL metal resistors as well as various methods of integrating such a metal resistor structure into a CMOS technology are provided.